



Westinghouse

USER'S MANUAL

MANUEL DE L'UTILISATEUR

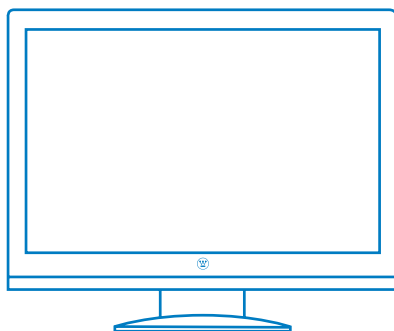
MANUAL DEL USUARIO

LCM-22w2

Multifunctional Monitor

Moniteur Multifonctionnel

Monitor de Funciones Múltiples



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IMPORTANT PRODUCT SAFETY INSTRUCTIONS

Follow and obey all warnings and instructions marked on the LCD Monitor. For your safety, please read all the safety and operating instructions before you operate the LCD Monitor. Keep this user's manual for future reference.

Overloading

Do not overload wall outlets, extension cords, or power strips. This can result in fire or electronic shock.

Power Cord Protection

Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Periodically inspect the cords and each end of the cords for damage. The LCD Monitor shall be installed near a wall socket outlet and the plug on power cord shall be readily accessible.

Ventilation

Slots and openings on the cabinet are provided for ventilation purposes. To ensure reliable operation of the LCD Monitor and to protect it from overheating, these openings must not be blocked or covered.

- Do not block the openings by placing the LCD Monitor on a bed, sofa, rug or other similar surface.
- Do not place the LCD Monitor in a built-in installation such as a bookcase or rack unless proper ventilation is provided and the manufacturer's instruction have been adhered to.

Other Notices

- Avoid exposing the LCD Monitor to direct sunlight or high temperatures.
- Avoid exposing the LCD Monitor to moisture or high humidity.
- Do not attempt repairs yourself. Your warranty does not cover repairs or attempted repairs by anyone not authorized by Westinghouse Digital.
- If your LCD Monitor will not be used for a long period of time, unplug the LCD Monitor.

Precautions

- Avoid touching the screen. Skin oils are difficult to remove.
- Never remove the rear cover. Your LCD Monitor contains high-voltage parts. You may be seriously injured if you touch them.
- Avoid exposing your LCD Monitor to direct sunlight or another heat source. Orient your LCD Monitor away from direct sunlight to reduce glare.
- Always handle your LCD display with care when moving it.
- Place your LCD Monitor in a well-ventilated area; don't place the LCD Monitor in airtight compartments. Do not place anything on your LCD Monitor that prevents heat dissipation.
- Ensure that the area around the LCD Monitor is clean and free of moisture.
- Do not place heavy objects on the LCD Monitor, video cables, or power cord.
- If the LCD Monitor emits smoke, abnormal noise, or a strange odor, immediately turn it off and contact the Westinghouse Service Center.
- **WARNING – To Reduce The Risk Of Fire Or Electric Shock, Do Not Expose The LCD Monitor To Rain Or Moisture!** The LCD Monitor shall not be exposed to dripping or splashing and objects filled with liquids, such as vases, shall not be placed on the Monitor.

Safety Guidelines

CAUTION: The power supply outlet should be located near the LCD Monitor and should be easily accessible. Always use the appropriate AC cord that is certified for your specific country. Some examples are listed below:

- | | |
|-----------------|---|
| USA.....UL | SwitzerlandSEV |
| Canada.....CSA | BritainBASE/BS |
| Germany.....VDE | JapanElectric Appliance Control Act |

IMPORTANT NOTICE CONCERNING POWER CORD SELECTION

The specific power cord for this LCD Monitor is enclosed and has been selected according to the country of destination and must be used to prevent electric shock. Use the following guidelines if it is necessary to replace the original cord set, or if the cord set is not enclosed. The female receptacle of the cord set must meet IEC-60320 requirements and should look like Figure A1 below:



For the United States and Canada

In the United States and Canada the male plug is a NEMA5-15 style (Figure A2), UL Listed, and CSA Labeled. For LCD Monitors that are placed on a desk or table, type SVT or SJT cord sets may be used. For LCD Monitors placed directly on the floor, only SJT type cord sets may be used. The cord set must be selected according to the current rating for the LCD Monitor. Please consult the table below for the selection criteria for power cords used in the United States and Canada.

Cord Type	Size of Conductors in Cord	Maximum Current Rating of Unit
SJT	18 AWG	10 Amps
	16 AWG	12 Amps
	14 AWG	12 Amps
SVT	18 AWG	10 Amps
	17 AWG	12 Amps

FCC Compliance Statement

This equipment has been tested and complies with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and may cause harmful interference to radio communications if not installed and used in accordance with the instructions. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the LCD Monitor and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the Westinghouse Service Center or an experienced radio/Monitor technician for assistance.

FCC Warning

To assure continued FCC compliance, the user must use a grounded power supply cord and the provided shielded video interface cable with bonded ferrite cores. If a BNC cable used, use only a shielded BNC (5) cable. Also, any unauthorized changes or modifications not expressly approved by Westinghouse Digital will void the user's authority to operate this device.

CLEANING THE LCD MONITOR

- **MAKE SURE THE LCD MONITOR IS TURNED OFF**
- **NEVER SPRAY OR POUR ANY LIQUID DIRECTLY ONTO THE SCREEN OR CASE**

To clean the screen:

1. Wipe the screen with a clean, soft, lint-free cloth. This removes dust and other particles.
2. If it still is not clean, apply a small amount of non-ammonia, non-alcohol based glass cleaner onto a clean, soft, lint-free cloth, and wipe the screen.

To clean the case:

1. Use a soft, dry cloth.
2. If it still is not clean, apply a small amount of non-ammonia, non-alcohol based, mild non-abrasive detergent onto a clean, soft, lint-free cloth, then wipe the surface.

Disclaimer

Westinghouse Digital does not recommend the use of any ammonia or alcohol-based cleaners on the LCD Monitor screen or case. Some chemical cleaners have been reported to damage the screen and/or LCD Monitor case. Westinghouse Digital will not be liable for damage resulting from the use of any ammonia or alcohol-based cleaners.

FEATURES

- HD-Grade resolution at 1680 x 1050 native
- Multiple A/V connectivity
- Ultra Bright Display Image
- Wide Viewing Angles
- Super Fast Response Time
- Built-in Stereo Speakers
- Power Saver
- Plug & Play
- Wall Mountable
- Kensington Compatible Security Lock

Power Saver

A power control system, **Power Saver**, is installed inside the LCD monitor. If the LCD monitor has not been used for a certain period of time, the system will turn the LCD monitor to low voltage mode to save electrical power. Slight movement of the mouse or pressing any key on the keyboard will return the original screen image. You can use your PC to set the function.

Plug & Play

VESA Plug and Play eliminates the complicated and time-consuming installation process. Your computer system will identify and automatically adjust the LCD monitor. The LCD monitor uses **Display Data Channel (DDC)** to send **Extended Display Identification Data (EDID)** to the computer system, so the computer system can automatically adjust the LCD monitor.

INSTALLATION

Congratulations on your purchase of a Westinghouse 22" widescreen LCD Monitor. Sleek and practical, this lightweight multifunctional LCD monitor delivers a bright and clear display optimized for 1680 x 1050 display resolution from almost every video source: desktop/ notebook PC, HDTV/satellite/cable receivers, DVD player, camcorder and game consoles via its built-in VGA D-sub, DVI and A/V connectors.

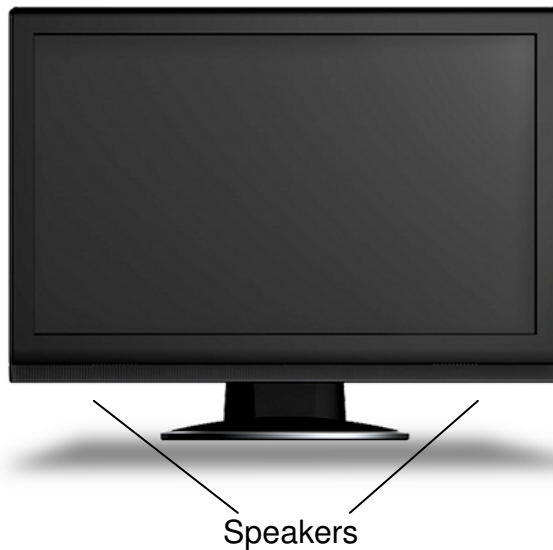
Package Contents

Your product package includes:

- 22" Westinghouse widescreen multifunctional LCD Monitor
- Detachable Base Stand
- AC Power Cord
- VGA Male – Male Cable
- 3.5 mm Mini-Stereo Cable
- User's Manual
- Warranty Card

1. Attaching the Base Stand to the LCD Monitor

Attach the base stand to this LCD monitor stand neck by aligning the holes and tabs. Press in and snap the base into place. To remove the base stand, press the tabs on the bottom of the stand neck and remove the base.

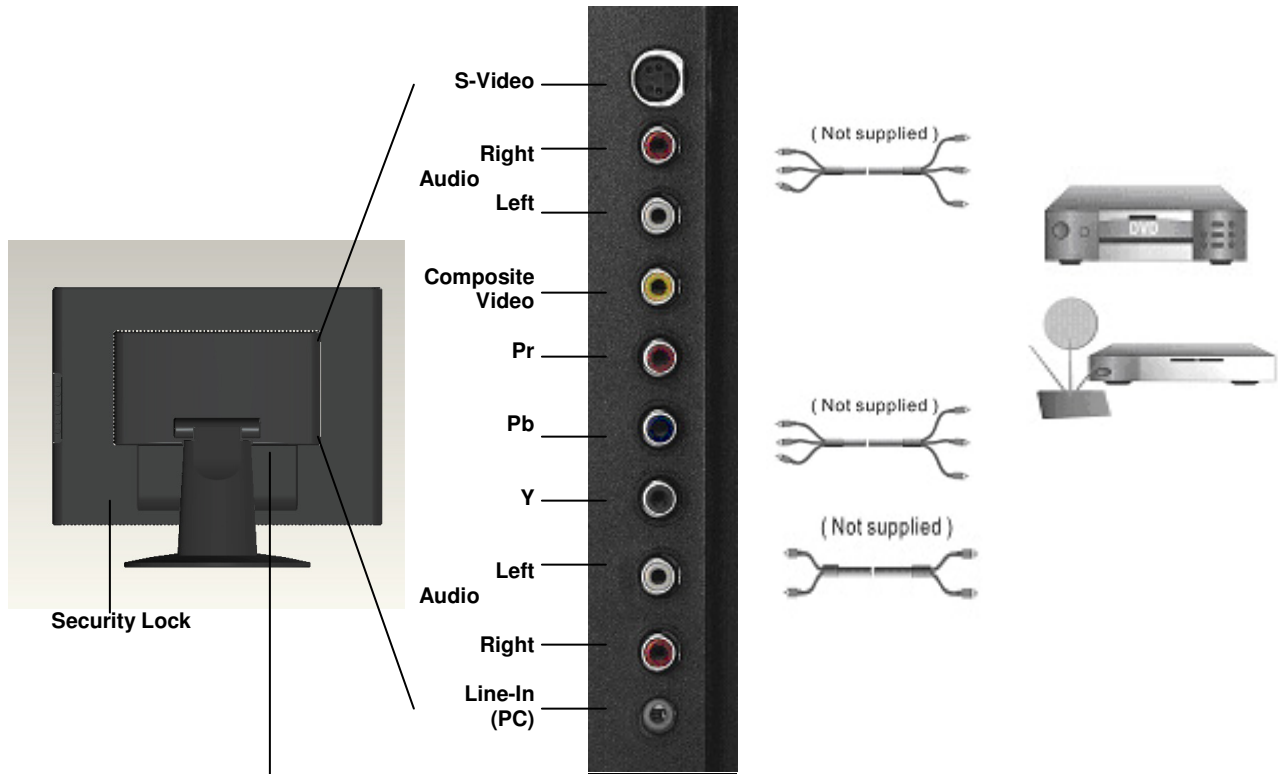


2. Connect Inputs

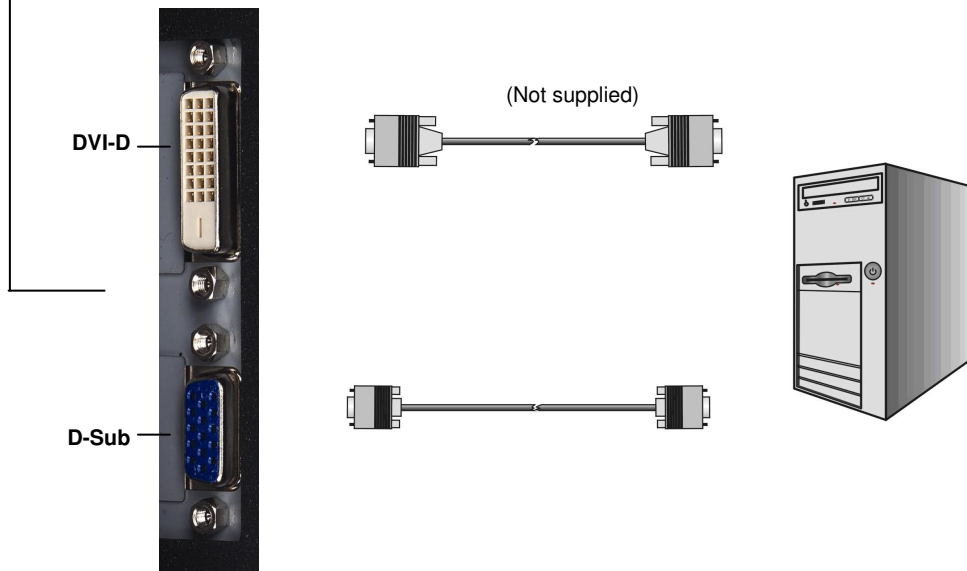
Connect one or all of the following into the back of this multifunctional LCD Monitor:

IMPORTANT: Before beginning, make sure this monitor, PC or A/V apparatus that connects to are all turned off.

A/V Inputs (on the right side)

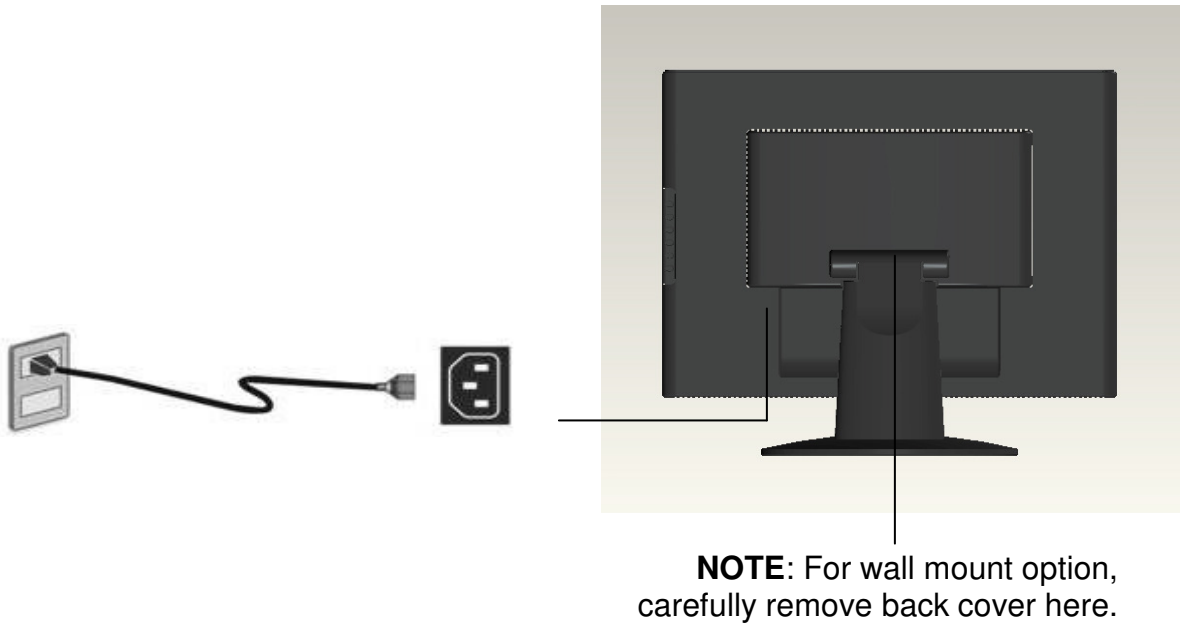


PC Inputs (at bottom)



3. Connect Power Cable

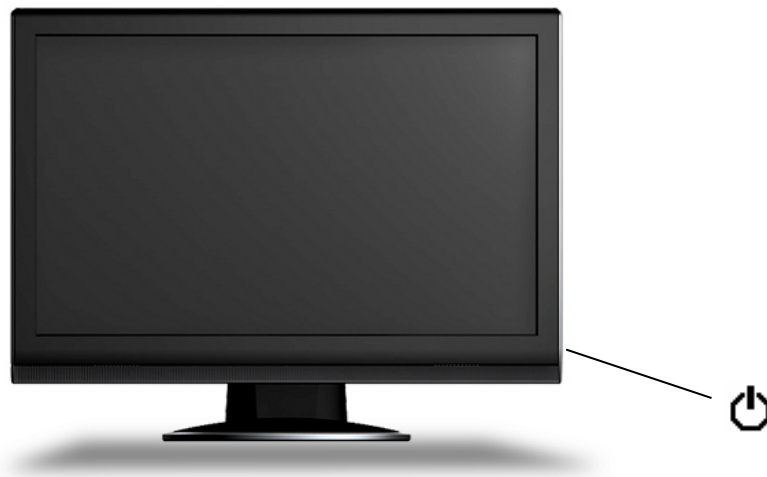
Connect the AC power cord to the LCD Monitor (to the connector labeled “AC-IN”) and then connect the cord into a properly grounded AC outlet.



4. Turn the Power On

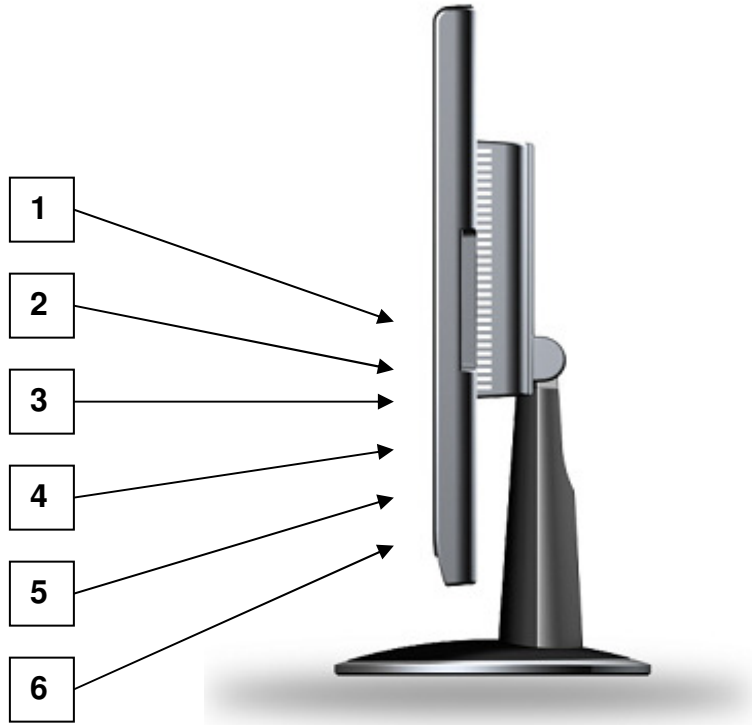
Press the power button on the side of the LCD monitor first, and then power on the rest of your PC and A/V apparatus. The LED light will turn green if a signal input is detected or it will be orange if no input is detected.

NOTE: If your desktop image looks fuzzy, adjust the computer’s resolution to 1680 x 1050. To do that, you may need to download, install the latest drivers of your graphic card and reboot your computer.



Control Panel Buttons

Use the control buttons on the side of the LCD Monitor to display the On Screen Display (OSD) menu. Below is a list of the control button functions. The OSD controls are defined in “OSD Functions” on page 10.







1. ▲	<ul style="list-style-type: none"> • Scroll up the OSD sub-menu list when the OSD is displayed.
2. ▼	<ul style="list-style-type: none"> • Scroll down the OSD sub-menu list when the OSD is displayed.
3. ◀	<ul style="list-style-type: none"> • Move a selection left when the OSD is displayed.
4. ▶	<ul style="list-style-type: none"> • Move a selection right when the OSD is displayed.
5. ☰	<ul style="list-style-type: none"> • <u>Press this button to switch between different video inputs: Video, S-Video, YPbPr, D-Sub and DVI.</u> • Press and hold this button to enter or exit the OSD menu
6. ⏻	<ul style="list-style-type: none"> • Power On and Off button • LED Power Indicator Light • Green: Normal • Orange: Power Saving • Off: Power Off

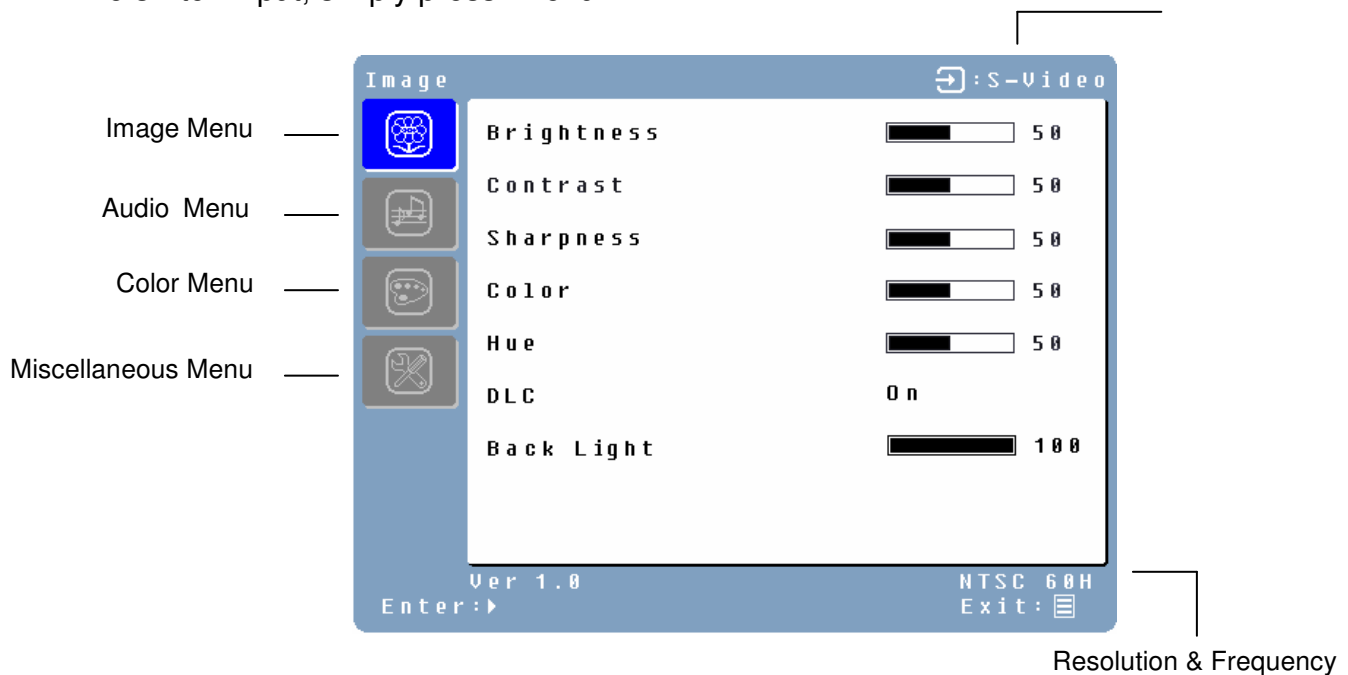
OSD Menu Functions

All the function settings for this multifunctional LCD monitor are controlled via the control keys located on the side of the monitor. To display the OSD main menu, press and hold the “Menu” keypad button on the control panel. (Note: The OSD menu display will disappear automatically after approximately 10 seconds, if no action is taken.)

This LCD monitor has been adjusted to optimal settings before shipment. If needed, adjustments to the monitor settings can also be made using the OSD menu.

- Press and hold the “Menu”  button to display the OSD.
- Press the ▲ or ▼ button to scroll through the sub-menus (Image, Audio, Color, Miscellaneous, and Information Sub-Menus).
- Press the ► button to enter the sub-menu.
- Press the ▲ or ▼ button to select the function to be adjusted.
- Press the ◀ or ▶ buttons to change the current setting of the sub-function.
- To go back to the previous menu, press the  button. Changes are saved automatically.
- To exit the OSD menu press "Menu"  again. It automatically will save any changes that have been made.
- To switch input, simply press "Menu" .

Source

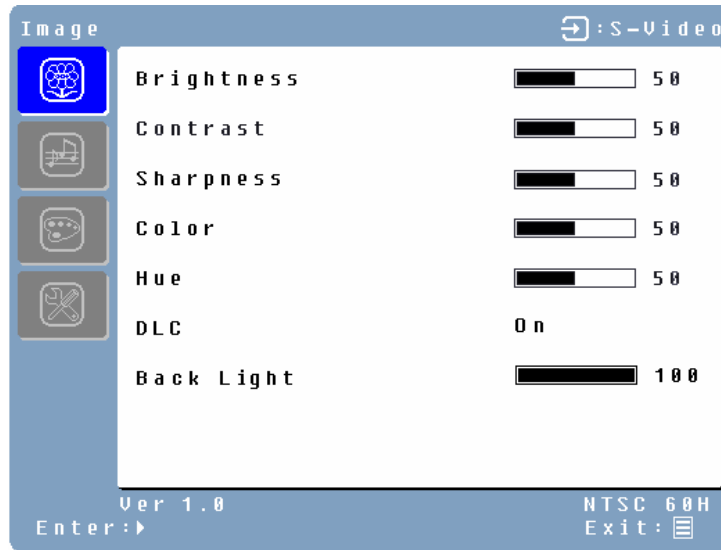


NOTES:

- Any changes are automatically saved in memory when the OSD turns off. Turning off the power should be avoided while using the OSD menu.
- Adjustments for clock, phase, and positions are saved for each individual signal timing. Except for these adjustments, all other adjustments have only one setting, which applies to all signal timings.
- The icon color will change from gray to blue when a sub-menu is selected.

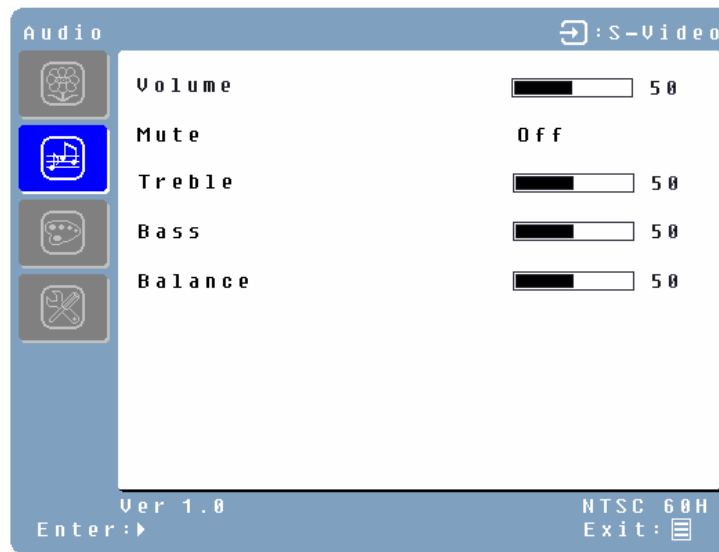
The following is a list of the OSD sub-menus for this multifunctional LCD monitor:

Image Menu (while in A/V inputs)



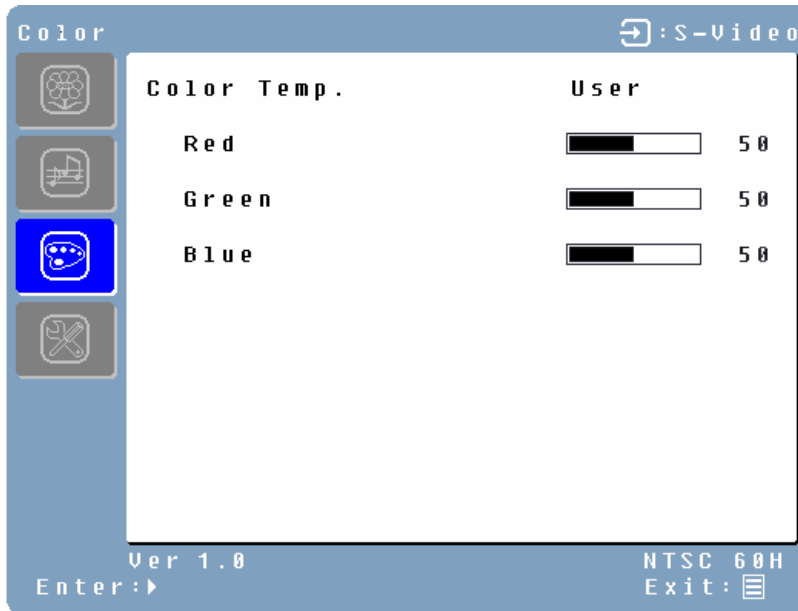
Function	Description
Brightness	Adjust the black level of the picture
Contrast	Adjust the contrast of the picture
Sharpness	Soften or sharpen the picture
Color	Adjust color saturation of the picture.
Hue	Adjust color phase, either more green or red
DLC	Turn Dynamic Luminance Control On or Off
Back Light	Backlight adjustment of the screen, range between 0-100

Audio Menu



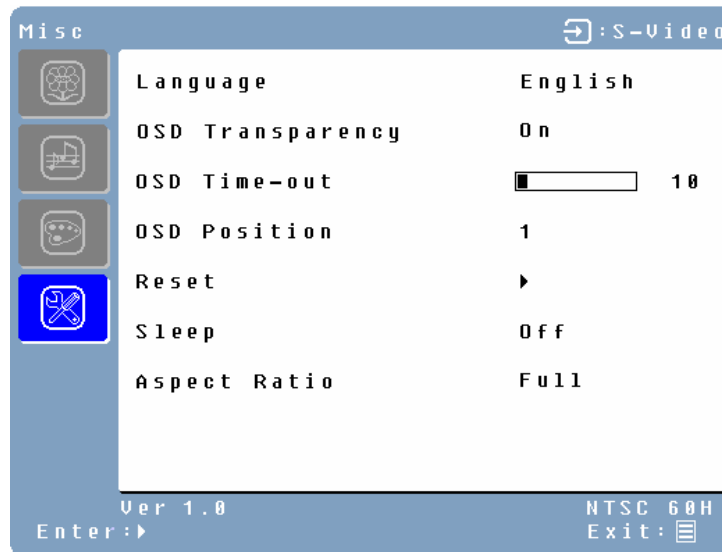
Function	Description
Volume	Turn volume up and down
Mute	Turn volume off and on
Treble	Adjust the higher-pitched sounds
Bass	Adjust the lower-pitched sounds
Balance	Emphasize sounds from left or right speaker

Color Menu



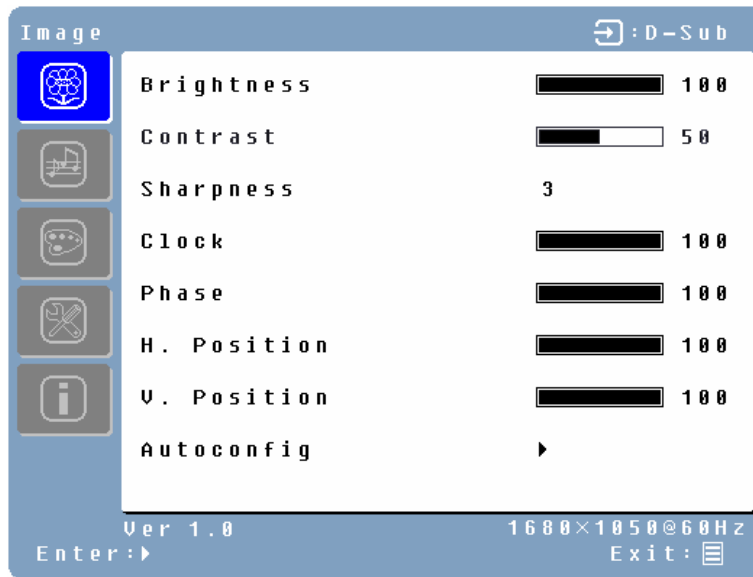
Function	Description
Color temp	Select between User/9300K/7500K/6500K
Red	Adjust the intensity of red color in User mode.
Green	Adjust the intensity of green color in User mode.
Blue	Adjust the intensity of blue color in User mode.

Miscellaneous Menu (while in A/V inputs)



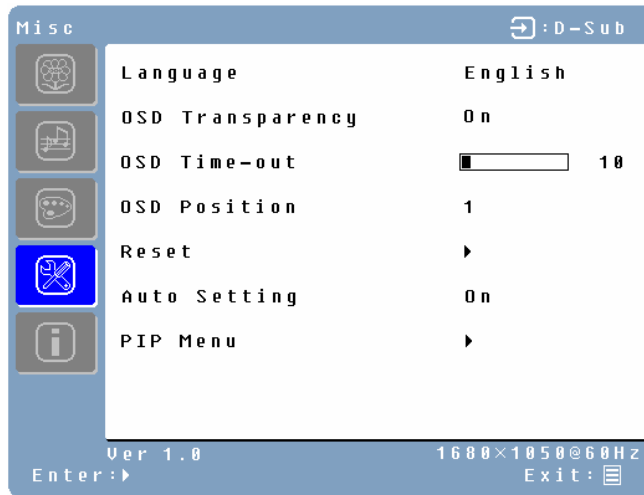
Function	Description
Language	Select OSD languages between: English, French, Spanish, Chinese
OSD Transparency	Adjust the transparency of the OSD menu.
OSD time-out	Adjust OSD display time.
OSD position	Move OSD display position to any one of the following 5 positions within the overall screen. <div style="text-align: center;"> </div>
Reset	Restore this LCD monitor to its factory default settings.
Sleep	Set the time for monitor to go to “sleep”.
Aspect Ratio	Set video aspect ratio between Normal/Full/Zoom modes.

Image Menu (while in PC inputs)



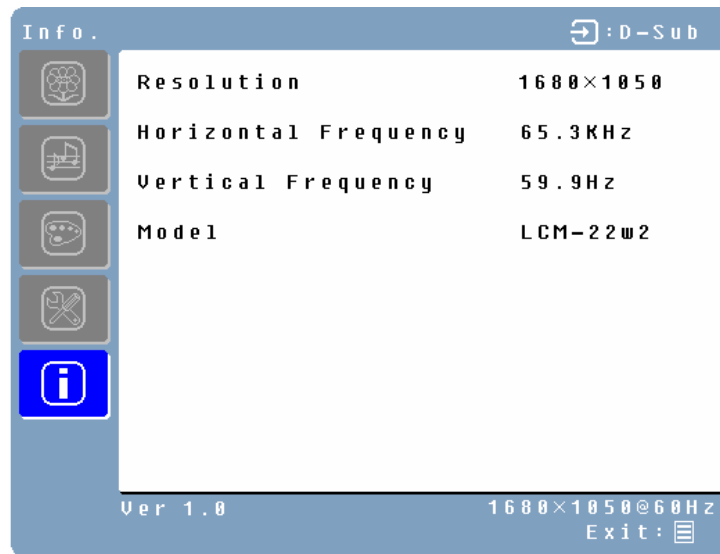
Function	Description
Brightness	Adjust the black level of the image.
Contrast	Adjust the contrast of the image.
Sharpness	Soften or sharpen the image
Clock	Adjust the LCD monitor clock. (VGA only)
Phase	Adjust the LCD monitor phase. (VGA only)
H. Position	Move the image left or right on the screen. (VGA only)
V. Position	Move the image up or down on the screen. (VGA only)
Auto-Config	Select to automatically fine tune the screen image

Miscellaneous Menu (while in PC Inputs)



Function	Description
Language	Select OSD languages between: English, French, Spanish and Chinese.
OSD Transparency	Adjust the transparency of the OSD menu.
OSD time-out	Adjust OSD display time.
OSD position	Move OSD display position to any one of the following 5 positions within the overall screen. <div style="text-align: center;"> </div>
Reset	Restore this LCD monitor to its factory default settings.
Auto Setting	Set to automatically perform Auto-Config function when a new timing is detected.
PIP Menu	Access Picture in Picture selection menu Note: PIP feature only works in D-sub/DVI modes, and sub-picture has to come from either S-Video or Video.

INFO Menu (while in PC Inputs)



Display system information

Appendix

Specifications

Item		Specification
Panel Size	Type	22" (diagonal) Color TFT Active Matrix LCD. Anti-static and hard coated.
Optimum Resolution		1680 x 1050 (native)
Response Time		5 ms (gray to gray)
Contrast Ratio		700:1
Maximum Brightness		300 Nits
Viewing Angles		170° (H) / 160° (V)
PC Compatibility		VGA, SVGA, XGA, SXGA, WSXGA+(1680 x 1050 preferred)
Video Compatibility (Video, S-Video, YPbPr)		NTSC, PAL, 480P, 576P, 720P ,1080i
Video Features		Motion adaptive de-interlacing digital noise reduction Aspect Ratio Adjustment (Normal/Full/Zoom) Dynamic Luminance Control (DLC) Function Brightness/Contrast/Sharpness/Hue/Color
Audio Features		Built-in audio amplifier and speakers at 2.5 watts x 2
Input connections	Video Audio PC	1 x Composite Video 1x S-Video 1x Component YPbPr (supports 480i/P, 576i/P,720P and 1080i) Dual RCA stereo x 2 1x HD-15 pin D-Sub (VGA connector) 1x DVI-D 1 x Mini Stereo
Power	Voltage	100-240 VAC, 50/60 Hz (auto switch), 1.6A
Operating Conditions	Temperature	32° F to +95° F (0° C to +35° C)
	Humidity	20% to 90% (no condensation)
	Altitude	Up to 3,000 meters
Storage Conditions	Temperature	-4° F to +140° F (-20° C to +60° C)
	Humidity	10% to 90% (no condensation)
	Altitude	Up to 12,000 meters
Dimensions	Unit	20.9 (w) x 15.8 (h) x 9.6 (d) in
	Carton	22.8" (w) x 19.7" (h) x 5.8 (d) in
Weight	Unit	10 lbs
Regulations		FCC-B, UL, CSA (CUL), Plug & Play
Power consumption	AC On	<50W (Green LED)
	AC Off	<2W (Orange LED)
Lamp Life		50,000 hours

Troubleshooting

No Power

- Make sure the AC cord is plugged into the back of the LCD monitor.
- Make sure the AC power cord is securely connected to an AC outlet.
- Plug another electrical device (like a radio) to the power outlet to verify that the outlet is supplying the proper voltage.

No Screen Image

- Make sure monitor is turned on.
- Make sure the video cable is securely connected to both the monitor and PC or Audio/Video apparatus.
- Make sure you have selected the correct video input source
- Adjust the brightness and contrast levels.

“Out Of Range”

- Restart your computer and adjust your desktop resolution and refresh rate to 1680 x 1050 at 60 Hz.

Fuzzy Image

- Set desktop resolution on your PC to 1680 x 1050 at 60 Hz.
- Adjust Phase/Sharpness setting on the monitor

Cannot find 1680 x 1050 under screen resolution on my Display Properties

- You may need to download and install the latest video card driver for your PC. Listed below are websites for major video card manufacturers:
Nvidia: <http://www.nvidia.com/content/drivers/drivers.asp>
Intel: http://downloadfinder.intel.com/scripts-df/support_intel.asp
ATI: <https://support.ati.com/ics/support/default.asp?deptID=894>

Image Too Bright or Too Dark

- Adjust the brightness and contrast levels under the OSD menu.
- Make sure the video cable is securely connected to both the monitor and PC or Audio/Video apparatus.
- Perform Auto Adjust.

Distorted Image

- Reset the LCD monitor by performing the “Reset” function using the OSD.
- Remove extra accessories (such as a VGA extension cord).

Image is Not Centered (size is not scaled correctly)

- Perform Auto Adjust
- Adjust the horizontal and/or vertical position using the OSD.
- Check image size setting.

Colors are Incorrect

- Make sure the video cable is securely connected to both the monitor and PC or Audio/Video apparatus
- Adjust the color setting using the OSD.

No sound

- Check your audio connection.
- Check your audio settings; make sure Mute is off.
- Press the Vol▶ key

Additional Questions

- See our website at www.westinghousedigital.com.
- Contact Westinghouse Digital Customer Service at (866) 287-5555 or write us at service@westinghousedigital.com.



www.westinghousedigital.com